

EN



Clearline  
fusion

Solar power has moved beyond government subsidy to become a home improvement option, and as a result its kerb-appeal is more important than ever. With Clearline Fusion, integrated solar has come of age and the highest quality and aesthetics are available at a price that is competitive with rack-mounted above-roof solar.

## Why Roof Integration?

Roof-integrated solar has always been the obvious choice when refurbishing or building a new roof. Clearline Fusion brings high quality roof integration within reach for retrofit applications. Now more people can benefit from the advantages of going in-roof.

- **Aesthetics**

Roof integrated panels sit lower to the roofline, without brackets and racking on show, to look like an intended part of the roof.

- **Roof maintenance**

The roof covering can be easily maintained or replaced without the cost of dismantling a solar installation. Problems associated with bird infestation are avoided.



Available in a range of panel power output and styles



## Why Clearline Fusion?

- **Economical**

Price is comparable with above-roof systems.

- **Rapid**

Installation times of less than 1 hour per kilowatt-peak are easily attainable. Our patented connection method means that panels are simply pushed together to create a weather-tight and secure fixing.



Go Green Systems

- **Compact**

Industry-leading panel spacing. The gap between rows is only 5mm. Columns are spaced by 30mm.

- **Sleek**

Invisible clamps give an uncluttered aesthetic. Panel spacing is automatically set to give consistently accurate shut-lines.

- **Simple**

Fusion achieves exceptional fire performance, wind resistance and weather tightness without extra roof battens, adhesive flashing rolls or fire proofing materials. Everything you need is right there in the kit.

- **Robust**

Certified wind resistance is more than four times higher than competitor products.

- **Universal**

Works with all commonly used tiles and slates, including slate over sarking.

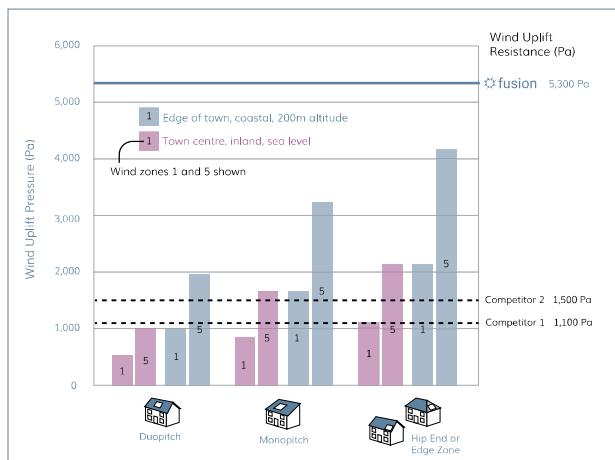
## Specification

Thickness	mm	69
Static roof loading (distributed)	kg / m <sup>2</sup>	12.9
Characteristic Wind Resistance	kPa	5.32
Ultimate Design Load <sup>1</sup>	kPa	5.32
Fire Rating to BS 476-3		AA
Standards		MCS012
Roof pitch		20 - 60°
Compatible roof coverings		Plain tile, Interlocking tile, Natural and artificial slate

<sup>1</sup> Design resistance to ultimate loads includes a partial material safety factor of 1.0



## Building Regulations



The certified wind resistance for Clearline Fusion is more than four times higher than competitor products and ready for even the most exposed locations (see chart).

Clearline Fusion is the only roof-integrated solar system accredited with the highest resistance to spread of flame and fire penetration in all European fire safety tests, achieving BRoof T1, T2, T3 and T4.



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